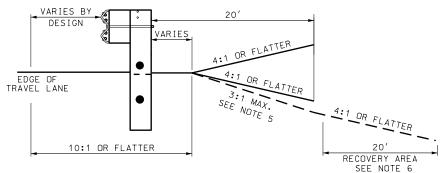


WOOD POST OPTION SHOWN SEE NOTE 3 & 8 SEE NOTE 2



TYPICAL SECTION A-A POST 3-8

MINIMUM LENGTH

70

100

150

FEET

TABLE 1

TAPER

7:1

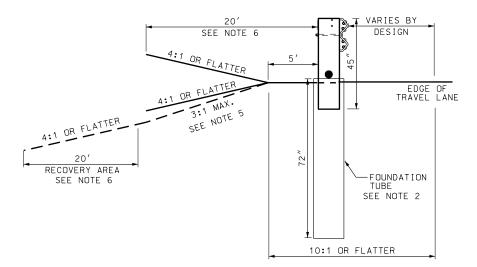
10:1

SPEED

LESS THAN 40

40 TO 55

60 TO 75



TYPICAL SECTION B-B

POST 1-2 SEE NOTES 2 & 3

- 1. THE FLEAT-350, MANUFACTURED BY ROAD SYSTEMS, INC.
 AND THE SRT-350/HBA, MANUFACTURED BY SYRO INC.,
 TRINITY INDUSTRIES. BOTH SYSTEMS INCORPORATE A
 STRAIGHT LINE FLARE. INSTALL SYSTEMS WITH A 4 FOOT
 OFFSET WHEN INSTALLED WITH A TANGENT BARRIER
 INSTALLATION. WHEN USING A FLARED BARRIER
 INSTALLATION INSTALL AT THE SAME FLARE RATE AS THE
- 2. FLEAT-350 USES WOOD CONTROL RELEASE TERMINAL (CRT)
 POSTS AND WOOD BLOCKS, OR STEEL BREAKAWAY POSTS
 WITH ROUTED WOOD BLOCKS OR COMPOSITE BLOCKS.
 SYSTEM USES FOUNDATION TUBES AT POSTS 1 AND 2 FOR
 BOTH APPLICATIONS. THE TOP OF FOUNDATION TUBE IS NO GREATER THAN 4 INCHES ABOVE GROUND LINE. WHEN SYSTEM IS INSTALLED USING CRT POSTS, THE BOTTOM OF TOP HOLE IS AT GROUND LEVEL.
 WHEN SYSTEM IS INSTALLED USING STEEL
 BREAKAWAY POSTS, USE ONLY THE MANUFACTURER'S
 SPECIFIED STEEL BREAKAWAY POSTS AND THE BREAKAWAY JOINT IS PLACED 1 INCH ABOVE GROUND LINE.
- 3. SRT-350/HBA USES STEEL HINGED BREAKAWAY POSTS AT POSTS 1 AND 2 AND STANDARD CRT POSTS AT POSTS 3 THROUGH 6. USE ONLY THE MANUFACTURER'S SPECIFIED STEEL BREAKAWAY POSTS. THE BREAKAWAY JOINTS ARE PLACED AT GROUND LINE. THE BOTTOM OF THE TOP HOLE OF THE CRT POSTS ARE PLACED AT GROUND LEVEL. THE LAST POST OF THE GUARDRAIL INSTALLATION, WHEN THIS SYSTEM IS USED, IS REQUIRED TO BE A CRT POST AND IS NOT PART OF THIS SYSTEM. THIS SYSTEM CANNOT BE USED WITH A TRANSITION ELEMENT STD DWG BA 4A, EXCEPT AS SPECIFIED IN NOTE 8.
- 4. COMPLETE SLOPE GRADING REQUIREMENTS PRIOR TO INSTALLATION, A SLOPE OF 10:1 TO THE RAIL ELEMENT FACE, APPROACH AREA AND DIRECTLY BEHIND THE SYSTEM IS REQUIRED. NO SLOPES GREATER THAN 4:1 TO THE EXISTING SLOPE AT THE HINGE POINTS BEHIND THE SYSTEM AND THE APPROACH AREA TRANSITION.
- 5. USE A 4:1 OR FLATTER FILL SLOPE IN RECOVERY AREA, IF IMPRACTICAL, USE A MAXIMUM 3:1 FILL SLOPE AND ESTABLISH A RECOVERY AREA AT THE TOE OF THE 3:1 FILL SLOPE. WHEN USED WITH A CUT SLOPE, A 4:1 OR FLATTER CUT IS REQUIRED IN THE RECOVERY AREA.
- 6. RECOVERY AREA 20 FEET X 75 FEET MINIMUM. MAY NEED TO BE GREATER TO MEET AASHTO CLEAR ZONE REQUIREMENTS FROM THE EDGE OF TRAVEL LANE.
- 7. CLEAR RECOVERY AND APPROACH AREAS OF ANY FIXED OBJECTS.
- 8. USE GUARDRAIL TRANSITION, STD DWG BA 4A, WHEN ATTACHING THE FLEAT-350 SYSTEM TO CONCRETE BARRIER OR BRIDGE PARAPET. THE SRT-350/HBA CANNOT BE DIRECTLY ATTACHED TO THE TRANSITION ELEMENT. AN ADDITIONAL 12½ FOOT SECTION OF STANDARD GUARDRAIL WITH A CRT POST AT THE ATTACHMENT POST IS REQUIRED.
- 9. INSTALL REQUIRED MARKINGS AS PER STD DWG CC 1.
- 10. REFER TO THE GUIDELINES FOR CRASH CUSHIONS FOR SPECIFIC SYSTEM INFORMATION.

				REVISIONS
		NOTHER DEPORTMENT OF TRANSPORTATION	1 01/29/03	. 01/29/03 G.S. NEW DRAWING
l		STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION		
s C	SEADING &	SALT LAKE CITY, UTAH		
С	-4C++			
	INSTALLATION DETAILS	RECOMMENDED FOR APPROVAL		
9	CRASH CUSHION TYPE H	APR.24,2003		
		CHAIRMAN STANDARDS COMMITTEE		
		HI 1.00 LD		
	STANDARD DRAWING TITLE	DEPUTY DIRECTOR DATE	NO. DATE	APPR. REM